

RECOVER AND RECYCLE USING BROMOSORB TECHNOLOGY™

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Methyl Bromide Molecules that can now be captured by our Bromosorb™ Technology have been depleting the ozone layer and allowing increasing amounts of UVA and UVB rays through to the earth's atmosphere with devastating human impact.

Developed by Praxair in the late 1980's, the Zeolite™ molecular sieve and adsorption/adsorption process collect and extract Methyl Bromide. We can recover nearly 100% of the Methyl Bromide without chemical breakdown. .

METBRO TECHNOLOGIES INC.

Cryo-Line has entered into an arrangement with Metbro Technologies at our Henderson recycling facility in Nevada to provide the patented Bromosorb™ system to capture and recycle methyl bromide.

Methyl bromide is an important fumigant used to control infestation of imported or exported products. Unfortunately it is also an ozone depleting substance.

Research and demonstration projects on containers in Savannah, large ship holds in Toronto and a lumber warehouse in Powasson have proven the effectiveness of the Bromasorb™ system to provide a reduction in the ozone emission.

THE CANADIAN TRADER DEMENSTRATION

The recapture of Methyl Bromide was carried out by Cryo-line Supplies Inc. and began at 13:00 hours on Monday June 7. Before the hold was sealed, a .9cm line was taped to the ladder about half way to the bottom of the ship hold for the release of methyl bromide. Three recovery hoses 5cm in diameter were inserted onto the floor of the hold. The inlets were spread out over the bottom for best recovery. The three hoses were connected to the first stage collector containing the molecular sieve and to the recovery blower. A 25hp blower powered by a portable generator created a 2 inches of mercury vacuum into the hold as it withdrew the air at 1000 cfm towards the collectors. The hold started at 29/1000 cu.ft. or 22,000ppm.

The recapture was halted from 15:07 until 16:40 because of a severe thunderstorm/tornado. The recapture was stopped at 20:30 when methyl bromide was detected coming out the exhaust, indicating the collectors were full. The concentration of methyl bromide in the ship hold at 21:00 hours was 390ppm. or the hold was .50 oz/ 1000 cu.ft. The truck and the sieve was weighed at a commercial weigh scale before and after the recapture to determine the amount of methyl bromide captured.

This recapture demonstration preformed on the Canadian Trader ship hold verified that the technology Bromasorb™ is an alternative to venting methyl bromide.

Contact Metbro Technologies at 702-429-7196